Course Description Form

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1. Course Name:				
Computer Applications 3				
2. Course Code:				
MPAC404				
3. Semester / Year:				
Annual				
4. Description Preparation Date:				
2024/09/23				
5. Available Attendance Forms:				
⊠ Lecture				
6 Num		redit Hours (Total) / Number of Units (Total)		
6. Number of Credit Hours (Total) / Number of Units (Total) Number of Credit Hours (150) / Number of Units (7)				
		ninistrator's name (mention all, if more than one name)		
Name: Assist. Lech. Hussein Ali Jaffar				
Ema	il: husse	ein.a.j@gmail.com		
8. Course Objectives				
Course Objectives		AutoCAD 3d course teaches students to create basic 2D and 3D drawings using		
		drawing and editing tools, organizes drawing objects on solids, basic		
		drawing and editing tools, organizes drawing objects on solids, basic dimensions, and prepares to plot. This course is designed for Mechanival		
9. Teac	ching and	dimensions, and prepares to plot. This course is designed for Mechanival		
9. Teac Strategy	ching and	dimensions, and prepares to plot. This course is designed for Mechanival Engineers. d Learning Strategies AutoCAD 3D certificate goal is to educate individuals on extra-		
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Strategy 10. Course	e Structu Materia Introduc rule, wo 3D solid	dimensions, and prepares to plot. This course is designed for Mechanival Engineers. d Learning Strategies AutoCAD 3D certificate goal is to educate individuals on extra- advanced functions, the strategy, how to design and model items in the 3D design software program, enveloping surface areas, and solids in visualizing engineering designs. are d Covered tion to AutoCAD -3D, workspace, visual style, 3d views, view ports, right hand rld coordinate and user coordinate systems and types of coordinate systems. Is (box, wedge and cylinder).		
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Strategy 10. Course Week 1	e Structu Materia Introduc rule, wo 3D solid 3D solid 3D solid Example	dimensions, and prepares to plot. This course is designed for Mechanival Engineers. d Learning Strategies AutoCAD 3D certificate goal is to educate individuals on extra- advanced functions, the strategy, how to design and model items in the 3D design software program, enveloping surface areas, and solids in visualizing engineering designs. If Covered tion to AutoCAD -3D, workspace, visual style, 3d views, view ports, right hand rld coordinate and user coordinate systems and types of coordinate systems. Is (box, wedge and cylinder).		
Strategy 10. Course Week 1 Week 2	e Structu Materia Introduc rule, wo 3D solid 3D solid 3D solid Example Basic so	dimensions, and prepares to plot. This course is designed for Mechanival Engineers. d Learning Strategies AutoCAD 3D certificate goal is to educate individuals on extra- advanced functions, the strategy, how to design and model items in the 3D design software program, enveloping surface areas, and solids in visualizing engineering designs. Interection to AutoCAD -3D, workspace, visual style, 3d views, view ports, right hand rld coordinate and user coordinate systems and types of coordinate systems. Is (box, wedge and cylinder). Is (cone and tours). Is (sphere and pyramid).		

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	3D operations (3d move and 3d rotate) with examples.		
Week 5	3D operations (3d align and 3d mirror) with examples. 3D operations (3d array and slice) with examples.		
Week 6	More applied examples. User coordinate system (origion, face and objects) with examples.		
Week 7	User coordinate system (view, world ,x-y-z) with examples. User coordinate system (z-axis and 3 points) with examples.		
Week 8	Advanced 3d commands (extrude and loft) with examples.		
Week 9	Advanced 3d commands (revolve, sweep) with examples. Advanced 3d commands (presspull and section plane) with examples.		
Week 10	Advanced solid editing/face (extrude, move,rotate and offest).		
Week 11	Advanced solid editing/face (taper, delete, copy, color, material, undo and exit).		
Week 12	Applied examples. Advanced solid editing/edge (copy and color).		
Week 13	Advanced solid editing/body (imprint, separate, shell, clean and check).		
Week 14	Surface (box, cone, dome and mesh). surface (pyramid and sphere)		
Week 15	surface (torus and wedge) with examples.		
11. Course Evaluation			

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources				
Main references (sources)	Autocad user manual			
Recommended books and	Introduction to AutoCAD 2022			
references (scientific journals,				
reports)				
Electronic References, Websites	https://help.autodesk.com/view/ACD/2022/ENU/			

